

### S3 Interactive Tutorials and Extra Exercises

(Key – Y7.2.1 means Year 7, Unit 2, Exercise 1.)

#### 1. Instructions to find **Interactive Tutorials**

- Google **CIMT Interactive Tutorials**.
- Select the appropriate link (Year 7, 8 or 9).

**Centre for Innovation in Mathematics Teaching - Year 7**

[www.cimt.plymouth.ac.uk/projects/mepres/book7/book7int.htm](http://www.cimt.plymouth.ac.uk/projects/mepres/book7/book7int.htm)

or

**Centre for Innovation in Mathematics Teaching - Year 8**

[www.cimt.plymouth.ac.uk/projects/mepres/book8/book8int.htm](http://www.cimt.plymouth.ac.uk/projects/mepres/book8/book8int.htm)

or

**Centre for Innovation in Mathematics Teaching - Year 9**

[www.cimt.plymouth.ac.uk/projects/mepres/book9/book9int.htm](http://www.cimt.plymouth.ac.uk/projects/mepres/book9/book9int.htm)

- Select the appropriate **Unit**.
- Select the appropriate **Exercise**.

#### 2. Instructions to find **Extra Exercises**

- Google **CIMT Support Materials Year 7** (or 8 or 9).
- Select the appropriate link

**MEP Year 7 - Centre for Innovation in Mathematics Teaching**

[www.cimt.plymouth.ac.uk/projects/mepres/book7/book7.htm](http://www.cimt.plymouth.ac.uk/projects/mepres/book7/book7.htm)

or

**Centre for Innovation in Mathematics Teaching - Year 8**

[www.cimt.plymouth.ac.uk/projects/mepres/book8/book8.htm](http://www.cimt.plymouth.ac.uk/projects/mepres/book8/book8.htm)

or

**MEP - Year 9 - Centre for Innovation in Mathematics Teaching**

[www.cimt.plymouth.ac.uk/projects/mepres/book9/book9.htm](http://www.cimt.plymouth.ac.uk/projects/mepres/book9/book9.htm)

- Select the appropriate **Unit**.
- Select **Extra Exercises**.
- Scroll through to find the appropriate **Exercise** (Answers are at the end of the document).

## S3 BLOCK 8 – REVISION

<b>ARITHMETIC REVISION</b> <u>Y9.2.1 Addition and Subtraction</u> <u>Y9.2.2 Multiplication and Division</u> <u>Y9.2.3 Problems in Context</u>
<b>ROUNDING</b> <u>Y7.2.1 Place Value &amp; Rounding</u> <u>Y7.2.2 Decimals and Place Value</u> <u>Y8.4.4 Rounding</u>
<b>SCIENTIFIC NOTATION/STANDARD FORM</b> <u>Y9.3.4 Standard Form</u>
<b>FRACTIONS, DECIMALS AND PERCENTAGES</b> <u>Y7.10.1 Fractions</u> <u>Y7.10.2 Equivalent Fractions</u> <u>Y7.10.3 Fractions of Quantities</u> <u>Y7.10.4 Mixed Numbers &amp; Vulgar Fractions</u> <u>Y7.17.3 Percentages</u>
<b>ANGLES</b> <u>Y7.5.4 Angles on a Line</u> <u>Y7.5.6 Finding Angles in Triangles</u> <u>Y8.11.2 Parallel And Intersecting Lines</u> <u>Y8.15.1 Angle Facts</u>
<b>ALGEBRA</b> <u>Y7.16.1 Basic Algebra</u> <u>Y7.16.2 Function Machines</u> <u>Y7.16.3 Linear Equations</u> <u>Y8.8.1 Expansion of single brackets</u> <u>Y8.8.2 Linear Equations with Brackets</u> <u>Y8.12.3 Linear Equations 1</u> <u>Y9.11.2 Simplifying Expressions</u> (only up to question 5)
<b>TIME / DISTANCE / SPEED</b> <u>Y7.14.4 Timetables</u> <u>Y7.14.5 Time Problems</u> <u>Y8.1.1 Distance Charts</u> <u>Y8.18.1 Speed</u> <u>Y8.18.2 Calculating Speed, Distance and Time</u> <u>Y8.18.3 Problems with Mixed Units</u>

## S3 BLOCK 9 – REVISION

### FRACTIONS, DECIMALS AND PERCENTAGES

Y9.4.1 Equivalent Fractions

Y9.4.2 Fractions of Quantities

Y9.4.3 Operations with Fractions (also Y8.9.1 & 2)

Y9.4.4 Fraction, Decimal and Percentage Equivalents (also Y8.9.3 )

Y9.4.5 Percentage Increases and Decreases (also Y8.9.4, 5 & 6)

### NEGATIVE NUMBERS

Y9.2.0 Place Value

Y7.15.1 Negative Numbers (+/-)

Y7.15.2 Multiplication & Division

### PYTHAGORAS

Y8.3.1 Pythagoras' Theorem

Y8.3.2 Finding the Hypotenuse

Y8.3.4 Problems in Context

Y8.3.5 Constructions and Angles

Y9.15.1 Pythagoras' Theorem

### MONEY

Y8.13.1 Money

### SCALE DRAWINGS

Y9.12.1 Recap: Angles and Scale Drawing

Y7.19.2 Plans

Y7.19.3 Maps

### STATISTICS

Y7.18.1 Presentation

Y7.18.2 Central Tendency

Y7.18.4 Comparing Data

Y8.5.1 Frequency Tables

Y8.5.2 Mean, Median, Mode and Range

Y9.16.1 Averages